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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 10/722,799 | 11/26/2003 | Victor Zaderej | A4-058 US | 8215 |
| 23683 | 7590 | 06/01/2005 | EXAMINER | |
| MOLEX INCORPORATED 2222 WELLINGTON COURT LISLE, IL 60532 | | | DINH, PHUONG K | |
| | | ART UNIT | PAPER NUMBER | |
| | | 2839 | | |
| DATE MAILED: 06/01/2005 | | | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

| Office Action Summary | Application No. | Applicant(s) |
|------------------------------|----------------------------|------------------|
| | 10/722,799 | ZADEREJ ET AL. |
| | Examiner Phuong KT Dinh | Art Unit 2839 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 14 March 2005.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-20 is/are pending in the application.
4a) Of the above claim(s) 11, 14-18, 20 is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1,7,9-13 and 19 is/are rejected.

7) Claim(s) 2-6 and 8 is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date
4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ .
5) Notice of Informal Patent Application (PTO-152)
6) Other:

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 9-10, 12, 13 and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Moser (U. S. Patent 5,237,488).

3. Regarding claims 1 and 19, Moser discloses a hinge for an electrical device comprising: a body including a hinge pin (equivalent to a printed circuit board) and a terminal 42 extending from the printed circuit board; a contact member 44 including a conductive contact 40 and contact sleeve 38, the contact member defining a contact passageway 32; wherein the terminal and at least a portion of the printed circuit board are positioned within the contact passageway, the terminal is electrically coupled to the contact, the contact is capable of movement relative to the terminal, and electrical contact is maintained between the contact and the terminal throughout the movement of the contact relative to the terminal.

4. Regarding claim 9, Moser discloses a connector read one part 44 as a connector coupled to the circuit board 30

5. Regarding claim 10, Moser discloses the body includes a plurality of terminals 40 extending from one side of the printed circuit board 30.
6. Regarding claim 12, Moser discloses the contact member 40 includes a plurality of contact and wherein each terminal is electrically connected to one of the plurality of contacts.
7. Regarding claim 13, Moser discloses the contact sleeve 38 is shielded.

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Moser.
10. Regarding claim 7, Moser discloses the claimed invention except for the contact sleeve covers a portion of the conductive contact. While arrangement not clearly show. It would have been obvious to one of ordinary skill in the art at the time the invention was made to use sleeve would covers ends of contact 44 for device so as to protect the contact.

Allowable Subject Matter

11. Claims 2-6, 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

None of the reference discloses the terminal is formed a spring having two ends and a ball positioned on one end of the spring and the opposite end of the spring is attached to the printed circuit board. A terminal sleeve and wherein at least a portion of the printed circuit board is positioned within the sleeve and wherein a portion of the terminal extends through the sleeve. A terminal sleeve and wherein at least a portion of the printed circuit board is positioned within the terminal sleeve and wherein a portion of the ball extends through the terminal sleeve. The contact includes a generally circular portion and a tail portion and wherein the contact sleeve covers the generally circular portion.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong KT Dinh whose telephone number is 571-272-2090. The examiner can normally be reached on 8 -5, 5 days a week.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on 571-272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Phuong KT Dinh
Primary Examiner
Art Unit 2839



Phuong Dinh
May 25, 2005